

CURRICULUM FOR THE SESSION

SECONDARY CLASSES (IX-X)

SCHOLASTIC

Objectives of Curriculum

The Curriculum aims to:

1. provide ample scope for holistic i.e. physical, intellectual and social development of students;
2. emphasize constructivist rather than rote learning by highlighting the importance of hands-on experience;
3. enlist general and specific teaching and assessment objectives to make learning competency-based;
4. encourage the application of knowledge and skills in real-life problem solving scenarios;
5. uphold the 'Constitutional Values' by encouraging values-based learning activities;
6. promote Critical and Creative Thinking aligned to the 21st Century Skills in classrooms;
7. integrate innovations in pedagogy such as experiential learning, Sport & Art-Integrated Learning ,toy-based pedagogy, storytelling, gamification etc. with technological innovations (ICT integration) to keep pace with the global trends in various disciplines;
8. promote inclusive practices as an overriding consideration in all educational activities;
9. enhance and support learning by different types of assessments; and
10. integrate environmental education in various disciplines .
11. achieve cognitive, affective and psychomotor excellence;
12. enhance self-awareness and explore innate potential;
13. attain mastery over laid down competencies;
14. imbibe 21st century learning, literacy and life skills;
15. promote goal setting, and lifelong learning;
16. inculcate values and foster cultural learning and international understanding in an interdependent society;
17. acquire the ability to utilize technology and information for the betterment of humankind;
18. develop the ability to appreciate art and show case talents;
19. Promote physical fitness, health and well-being.
20. Promote arts integrated learning.

The subjects formally studied in IX-X are :

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|---|---------------------------|------------------------------|-----------|
| 1. English | 2.Hindi | 3.Mathematics | 4.Science |
| 5. Social Science | 6. Information Technology | 7.Visual and Performing Arts | |
| 8. Health and Physical Education (HPE). | | | |

SUBJECT: ENGLISH LANGUAGE AND LITERATURE

Code No. 184

TEACHING OBJECTIVES / EXPECTED LEARNING OUT COMES

Objectives of the course are to enable learners to:

- build greater confidence and proficiency in oral and written communication.
- develop the ability and knowledge required in order to engage in independent reflection and inquiry.
- use appropriate English to communicate in various social settings.
- equip learners with essential language skills to question and to articulate their point of view
- build competence in the different aspects of English.
- develop sensitivity to, and appreciation of, other varieties of English, like Indian English, and the culture they reflect.
- enable the learner to access knowledge and information through reference skills (consulting dictionary / thesaurus, library, internet, etc.)
- develop curiosity and creativity through extensive reading.
- facilitate self-learning to enable them to become independent learners.
- review, organise and edit their own work and work done by peers.
- integrate listening and speaking skills in the curriculum.
- give a brief oral description of events / incidents of topical interest.
- retell the contents of authentic audio texts (weather reports, public announcements, simple advertisements, short interviews, etc.).
- participate in conversations, discussions, etc., on topics of mutual interest in non-classroom situations.
- narrate a story which has been depicted pictorially or in any other non-verbal mode.
- respond, in writing, to business letters, official communications email etc.
- read poems effectively (with proper rhythm and intonation).

SUBJECT: HINDI

Course Code-085

शिक्षण उद्देश्य

- दैनिक जीवन में हिंदी में समझने- बोलने के साथ-साथ लिखने की क्षमता का विकास करना।
 - हिंदी के किशोर-साहित्य, अखबार व पत्रिकाओं को पढ़कर समझना और उस का आनंद उठाने की क्षमता का विकास करना।
 - औपचारिक विषयों और संदर्भों में बातचीत में भाग ले पाने की क्षमता का विकास करना।
 - हिंदी के जरिए अपने अनुभव संसार को लिखकर सहज अभिव्यक्ति कर पाने में सक्षम बनाना।
 - संचार के विभिन्न माध्यमों (प्रिंट और इलेक्ट्रॉनिक) में प्रयोग हिंदी के विभिन्न रूपों को समझने की योग्यता का विकास करना।
 - कक्षा में बहुभाषिक, बहुसांस्कृतिक संदर्भों के प्रति संवेदनशील सकारात्मक सोच बनाना।
 - अपनी मातृभाषा और परिवेशगत भाषा को साथ रखकर हिंदी की संरचनाओं की समझ बनाना।
 - सामाजिक मुद्दों पर समझ बनाना।
 - कविता, कहानी तथा घटनाओं को रोचक ढंग से लिखना।
 - जाति, धर्म, रीति-रिवाज तथा लिंग के विषय को समझने की क्षमता का विकास।
 - भाषा एवं साहित्य को समझने एवं आत्मसात करने की क्षमता का विकास।
 - दैनिक व्यवहार, आवेदन पत्र लिखने, अलग-अलग किस्म के पत्र, ईमेल लिखने, प्राथमिकी दर्ज कराने इत्यादि में सक्षम हो सकेंगे।
 - सृजनात्मक साहित्य के आलोचनात्मक आस्वाद की क्षमता का विकास हो सकेगा।
 - स्वतंत्र व मौखिक रूप से अपने विचारों की अभिव्यक्ति कर सकेंगे।
- साहित्य की विभिन्न विधाओं के मध्य संबंध व अंतर की पहचान कर सकेंगे।

SUBJECT : MATHEMATICS
(Code No. 041)

In Classes IX & X, the learners are expected to:

- consolidate the Mathematical knowledge and skills acquired at the upper primary stage.
- acquire knowledge and understanding, particularly by way of motivation and visualization, of basic concepts, terms, principles and symbols and underlying processes and skills.
- develop mastery of basic algebraic skills; drawing skills.
- feel the flow of reason while proving a result or solving a problem.
- apply the knowledge and skills acquired to solve problems and wherever possible, by more than one method;
- to develop ability to think, analyse and articulate logically;
- to develop awareness of the need for national integration, protection of environment, observance of small family norms, removal of social barriers, elimination of gender biases.
- to develop necessary skills to work with modern technological devices and mathematical software's.
- to develop interest in mathematics as a problem-solving tool in various fields for its beautiful structures and patterns, etc.
- to develop reverence and respect towards great Mathematicians for their contributions to the field of Mathematics.
- to develop interest in the subject by participating in related competitions.
- to acquaint students with different aspects of Mathematics used in daily life.
- to develop an interest in students to study Mathematics as a discipline.

SUBJECT : SCIENCE
COURSE CODE- 086

TEACHING OBJECTIVES / EXPECTED LEARNING OUT COMES

In Classes IX & X, the learners are expected to :

- develop understanding of concepts, principles, theories, and laws governing the physical world, consistent with the stage of cognitive development.
- develop ability to acquire and use the methods and processes of science, such as observing, questioning, planning investigations, hypothesizing, collecting, analyzing and interpreting data, communicating explanations with evidences, justifying explanations, thinking critically to consider and evaluate alternative explanation, etc.
- conduct experiments, also involving quantitative measurements.
- appreciate how concepts of science evolve with time giving importance to its historical prospective.
- develop scientific temper (objectivity, critical thinking, freedom from fear and prejudice, etc.).
- nurture natural curiosity, aesthetic sense, and creativity.
- imbibe the values of honesty, integrity, cooperation, concern for life and preservation of environment
- develop respect for human dignity and rights, equity and equality.

SUBJECT : SOCIAL SCIENCE

Course code- 087

TEACHING OBJECTIVES / EXPECTED LEARNING OUT COMES

The main objectives of this syllabus are to:

- develop an understanding of the processes of change and development-both in terms of time and space, through which human societies have evolved
- make learners realize that the process of change is continuous and any event or phenomenon or issue cannot be viewed in isolation but in a wider context of time and space
- develop an understanding of contemporary India with its historical perspective, of the basic framework of the goals and policies of national development in independent India, and of the process of change with appropriate connections to world development
- deepen knowledge about and understanding of India's freedom struggle and of the values and ideals that it represented, and to develop an appreciation of the contributions made by people of all sections and regions of the country
- help learners understand and cherish the values enshrined in the Indian Constitution and to prepare them for their roles and responsibilities as effective citizens of a democratic society.
- deepen the knowledge and understanding of India's environment in its totality, their interactive processes and effects on the future quality of people's lives
- facilitate the learners to understand and appreciate the diversity in the land and people of the country with its underlying unity
- develop an appreciation of the richness and variety of India's heritage-both natural and cultural and the need for its preservation
- promote an understanding of the issues and challenges of contemporary India- environmental, economic and social, as part of the development process
- help pupils acquire knowledge, skills and understanding to face the challenges of contemporary society as individuals and groups and learn the art of living a confident and stress-free life as well as participating effectively in the community
- develop scientific temperament by promoting the spirit of enquiry and following a rational and objective approach in analysing and evaluating data and information as well as views and interpretations
- develop academic and social skills such as critical thinking, communicating effectively both in visual and verbal forms - cooperating with others, taking initiatives and providing leadership in solving others' problems
- develop qualities clustered around the personal, social, moral, national and spiritual values that make a person humane and socially effective.

SUBJECT : INFORMATION TECHNOLOGY

Course code- 402

OBJECTIVES OF THE COURSE:

In this course, the students will be introduced to the fundamental concepts of digital documentation, digital spreadsheet, digital presentation, database management and internet security.

The following are the main objectives of this course:

- To familiarize the students with the world of IT and IT enabled services.
- To provide an in-depth training in use of data entry, internet and internet tools.
- To develop practical knowledge of digital documentation, spreadsheets and presentation.
- To enable the students to understand database management system and have updated knowledge about digital record keeping.
- To make the students capable of getting employment in Private Sector, Public Sector, Ministries, Courts, House of Parliament and State Legislative Assemblies.
- To develop the following skills:
 - ❖ Data Entry and Keyboarding skills
 - ❖ The concept of Digital Documentation
 - ❖ The concept of Digital Presentation
 - ❖ The concept of Electronic Spreadsheet
 - ❖ The concept of Databases
 - ❖ Internet Technologies

Assessment Breakup:-

1. Theory 50 marks

2. Practical 50 marks

Lab Test	(15 marks)
Practical File	(15 marks)
Project	(10 marks)
Viva	(10 marks)

CO-SCHOLASTIC

VISUAL AND PERFORMING ARTS

The objectives of Art Education are :

Help learners to consolidate past experiences and knowledge.

- Introduce learners to different media and techniques and their use for creative and productive expression for common use.
- Provide opportunities for development of awareness about folk arts, local specific arts and other cultural components leading to an appreciation of national heritage.
- Assist learners to use artistic and aesthetic sensibility in day-to-day life situation.
- Enable learners to achieve a balanced growth as a social being in tune with our culture through project work.
- Get acquainted with the life and work of the local artists/artistes.
- Use resourcefully locally available material to make different products (objects) with the help of the community.
- Refine the sense of appreciation of the beauty of nature through the basic elements of art forms.

The main objectives of Performing Arts are:

- Skill of working together in teams, while being sensitive and appreciative towards artistic expression of others, especially students of special needs.
- Respect for cultural diversity and pluralistic perspective.
- Knowledge and skill to differentiate between regional, traditional and classical art forms.
- Values related to other core components in education like India's common cultural heritage, history of freedom movement, national identity, constitutional obligations, current social issues, life skills etc.
- Help learners to consolidate past experiences and knowledge.
- Refine the sense of appreciation of the beauty of nature through the basic elements of art forms.
- Enable learners to achieve a balanced growth as a social being in tune with our culture through project work.
- Introduce learners to different media and techniques and their use for creative and productive expression for common use.

SUBJECT : HEALTH AND PHYSICAL EDUCATION

The main objectives of Physical Education are:

- Develop motor abilities like strength, speed, endurance, coordination, flexibility, agility and balance, as they are important aspects for good performance in different games and sports.
- Develop techniques and tactics involved in organised physical activities, games and sports.
- Acquire knowledge about human body as its functioning is influenced by physical activities.
- Understand the process of growth and development as participation in physical activities has positive relationship with it.
- Develop socio-psychological aspects like control of emotions, balanced behaviour, development of leadership and followership qualities and team spirit through participation in games and sports.
- Develop positive health related fitness habits which can be practised lifelong so as to prevent degenerative diseases.
- develop competency in many movement activities.
- understand how and why they move in a variety of situations and use this information to enhance their own skills.
- achieve and maintain a health-enhancing level of physical fitness.
- exhibit a physically active lifestyle and will understand that physical activity provides opportunities for enjoyment, challenge and self-expression.
- demonstrate responsible personal behavior while participating in movement activities.
- demonstrate responsible social behavior while participating in movement activities. Students will understand the importance of respect for others.
- understand the relationship between history, culture and games.

Strand	Marks	
1. GAMES A) Athletics/ Swimming B) Team Games C) Individual Games/ Activity D) Adventure Sports	50 marks	
2. Health and Fitness	25 Marks	
3. SEWA (under Work Education)	25 Marks	

4. Health and Activity Card	No Marks	
Total	100 Marks	

Details of Five-Point Grading for Art Education and HPE

<u>Grade</u>	<u>Connotation</u>
A	Exemplary
B	Proficient
C	Developing
D	Emerging
E	Beginner